



US009637015B2

(12) **United States Patent**  
**Ichikawa et al.**

(10) **Patent No.:** **US 9,637,015 B2**  
(45) **Date of Patent:** **May 2, 2017**

(54) **NON-CONTACT ELECTRIC POWER TRANSMISSION SYSTEM AND CHARGING STATION**

(71) Applicant: **TOYOTA JIDOSHA KABUSHIKI KAISHA**, Toyota-shi, Aichi-ken (JP)

(72) Inventors: **Shinji Ichikawa**, Toyota (JP); **Satoshi Taniguchi**, Toyota (JP)

(73) Assignee: **TOYOTA JIDOSHA KABUSHIKI KAISHA**, Toyota (JP)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 212 days.

(21) Appl. No.: **14/582,832**

(22) Filed: **Dec. 24, 2014**

(65) **Prior Publication Data**

US 2015/0217649 A1 Aug. 6, 2015

(30) **Foreign Application Priority Data**

Jan. 31, 2014 (JP) ..... 2014-017141

(51) **Int. Cl.**

**H02J 7/00** (2006.01)

**B60L 11/18** (2006.01)

**H02J 17/00** (2006.01)

(52) **U.S. Cl.**

CPC ..... **B60L 11/182** (2013.01); **B60L 11/1829** (2013.01); **B60L 11/1833** (2013.01); **H02J 7/0027** (2013.01); **H02J 17/00** (2013.01); **Y02T 10/7005** (2013.01); **Y02T 10/7055** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 90/12** (2013.01); **Y02T 90/121** (2013.01); **Y02T 90/122** (2013.01); **Y02T 90/125** (2013.01); **Y02T 90/14** (2013.01)

(58) **Field of Classification Search**

CPC ..... H02J 7/025

USPC ..... 320/108

See application file for complete search history.

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*Primary Examiner* — Edward Tso

*Assistant Examiner* — Ahmed Omar

(74) *Attorney, Agent, or Firm* — Oliff PLC

(57)

**ABSTRACT**

When a power supply ECU receives a signal requesting test electric power transmission, the power supply ECU has a plurality of electric power transmission portions start transmission of electric power for positioning, and determines an electric power transmission portion with which a vehicle is carrying out positioning based on which of a plurality of detection portions has detected effective electric power. The vehicle transmits a first signal to a charging station when positioning is completed. When the power supply ECU receives the first signal and it is determined that the vehicle has stopped at the electric power transmission portion which is the subject of electric power transmission, the power supply ECU has the electric power transmission portion which is the subject of electric power transmission transmit electric power higher than electric power for positioning.

**4 Claims, 5 Drawing Sheets**

